

Dynamic Prosthetic Foot with Multiple Load Points and Multiple Upper Sections

Abstract of Disclosure

A dynamic prosthetic foot having multiple load points and multiple upper sections includes a sole and an upper member that overlies the sole. A heel end of the upper member has a gradual ninety degree bend formed in so that it is normal to the sole. An elongate longitudinally-extending slot divides the heel end of the upper member into a lateral pylon support and a medial pylon support and further divides the upper member into a lateral upper section and a medial upper section. The lateral pylon support is thicker than the medial pylon support and the lateral upper member section is thicker than the medial upper member section. Forces applied to the lateral and medial pylon supports are transferred to a greater extent to the medial pylon support. This closely mimics the way forces are handled by a natural foot. In a second embodiment, elongate lateral and medial pylons replace the lateral and medial pylon supports, respectively.

Figures